

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053219

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F02M53/04 F02M61/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/179742 A1 (HOHL GUENTHER ET AL) 5 December 2002 (2002-12-05) page 1, paragraph 14; figures 1,2 -----	1-4,6-8, 10
X	US 4 270 257 A (KIMATA KEI ET AL) 2 June 1981 (1981-06-02) column 2, line 9 - column 2, line 16; figures 1,2,3A,4,5 -----	1-4,6-8, 10
X	WO 03/078826 A (BOSCH GMBH ROBERT) 25 September 2003 (2003-09-25) figure 1 -----	1-4,6-8, 10
X	US 5 833 142 A (CALEY DAVID JAMES) 10 November 1998 (1998-11-10) column 5, line 48 - column 5, line 54; figures 1,2 column 6, line 54 - column 6, line 58 ----- -/-	1,2,6-8, 10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

23 February 2005

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X	US 5 551 638 A (CALEY DAVID J) 3 September 1996 (1996-09-03) figures 1,2	1,6-8,10
X	DE 502 601 C (SUPER DIESEL TRACTOR CORP) 16 July 1930 (1930-07-16) figures 1,5	1,6-8,10
X	US 2003/173428 A1 (BUEHLER CHRISTOPH) 18 September 2003 (2003-09-18) page 2, paragraph 14; figures 1-3	1,6-8,10
X	US 2003/057298 A1 (BOECKING FRIEDRICH) 27 March 2003 (2003-03-27) figures 1,2	1,6-8,10
X	US 4 007 880 A (HANS WALDEMAR ET AL) 15 February 1977 (1977-02-15) the whole document	1,6-8,10
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X	US 4 890 794 A (HANS WALDEMAR ET AL) 2 January 1990 (1990-01-02) figure 2	1,6-8,10
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X	WO 03/002867 A (BOSCH GMBH ROBERT ;DANTES GUENTER (DE); NOWAK DETLEF (DE)) 9 January 2003 (2003-01-09) figures 1-3	1,2,8,10
X	US 5 090 625 A (DAVIS ROBERT M) 25 February 1992 (1992-02-25) the whole document	1,8,10
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